



SEQUENCE LISTING

- (1) GENERAL INFORMATION:
 - (i) APPLICANT: Wei, Ai-Ping, and Williams, Michael G.
 - (ii) TITLE OF INVENTION: Fluorogenic Protease Substrates Based on Dye-Dimerization
 - (iii) NUMBER OF SEQUENCES: 2
 - (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: 3M Office of Intellectual Property
 - (B) STREET: 3M Center P.O. Box 33427
 - (C) CITY: St. Paul
 - (D) STATE: MN
 - (E) COUNTRY: USA
 - (F) ZIP: 55133-3427
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
 - (B) COMPUTER: HP
 - (C) OPERATING SYSTEM: Windows 2000 Professional
 - (D) SOFTWARE: Word 2000
 - (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/846,828
 - (B) FILING DATE: 01 - MAY - 1997
 - (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Jean A. Lown
 - (B) REGISTRATION NUMBER: 48,428
 - (C) REFERENCE/DOCKET NUMBER: 53091US009
 - (ix) TELECOMMUNICATION INFORMATION
 - (A) TELEPHONE: (651)733-3169
 - (B) TELEFAX: (651)736-3833
- (2) INFORMATION FOR SEQ ID NO: 1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 5
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE:

- (A) DESCRIPTION: peptide
- (iii) HYPOTHETICAL: no
- (iv) ANTI - SENSE: no
- (v) FRAGMENT TYPE:
(A) N-terminal
(B) C-terminal
- (vii) IMMEDIATE SOURCE:
(A) LIBRARY:
Manufacturer (GeneMed Biotechnologies, South San Francisco, CA,
USA)
- (ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1 . . 5
(C) IDENTIFICATION METHOD: Synthesis; verified by FAB mass
spectroscopy and amino acid analysis
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
Val Pro Arg Gly Lys
1 5

(2) INFORMATION FOR SEQ ID NO: 2:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 5
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
- (ii) MOLECULE TYPE:
(A) DESCRIPTION: peptide
- (iii) HYPOTHETICAL: no
- (iv) ANTI - SENSE: no
- (v) FRAGMENT TYPE:
(A) modified C-terminal
(B) modified N-terminal

- (vii) IMMEDIATE SOURCE:
(A) LIBRARY:
USA) Manufacturer (GeneMed Biotechnologies, South San Francisco, CA,
- (ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1 . . 5
(C) IDENTIFICATION METHOD: Synthesis; verified by FAB mass spectroscopy and amino acid analysis
- (ix) FEATURE:
(A) NAME/KEY: misc-feature
(B) LOCATION: 1
(C) IDENTIFICATION METHOD: Synthesis
(D) OTHER INFORMATION: Xaa is Val-tetramethylrhodamine
- (ix) FEATURE
(A) NAME/KEY: misc-feature
(B) LOCATION: 5
(C) IDENTIFICATION METHOD: Synthesis
(D) OTHER INFORMATION: Xaa is Lys-tetramethylrhodamine
- (ix) FEATURE:
(A) NAME/KEY: cleavage site
(B) LOCATION: 3 . . 4
(C) IDENTIFICATION METHOD: Synthesis; verified by FAB mass spectroscopy and amino acid analysis
(D) OTHER INFORMATION; Enzyme Substrate
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2 :
Xaa Pro Arg Gly Xaa
1 5